

§ 6. It is noteworthy that the only completely cyclic *number* is 142857.

$$\text{For } 142857 \times 2 = 285714$$

$$\text{" } \times 3 = 428571$$

$$\text{" } \times 4 = 571428$$

$$\text{" } \times 5 = 714285'$$

$$\text{" } \times 6 = 857142$$

$$\text{" } \times 7m = m (10^6 - 1).$$

Hence, to multiply 142857 by any number, $7m + n$ (where $n = 1$ or 2 or 3 or 4 or 5 or 6), we have only to divide the multiplier by 7 , thus finding m and n , prefix m to $142857 \times n$ and then subtract m .

Thus to find $(142857)^2$

$$7 \overline{)142857}$$

$$20408 - 1$$

$$20408122449 = (142857)^2.$$

$$\text{Also, } 2915446064142857 - 2915446064 =$$

$$2915443148696793 = (142857)^3$$

Stated Meeting, October 18, 1901.

Vice-President WISTAR in the Chair.

Present, 9 members.

Mr. Thomas Willing Balch, a newly elected member, was presented to the Chair, and took his seat in the Society.

The list of donations to the Library was laid on the table and thanks were ordered to be returned for them.

With reference to one of the donations, Dr. Hays called attention to a statement contained in Mr. William Eleroy Curtis's *True Thomas Jefferson*, just published, that this Society possessed Jefferson's "original draft" of the Declaration of Independence, with all the corrections. He thought it important that this statement should not remain uncorrected, as it might lead to considerable disappointment. The copy

in Jefferson's handwriting possessed by this Society is one of several made by Jefferson between the 4th and 10th of July, 1776, to send to friends, that they might compare the Declaration as originally framed and reported by the Committee with the document as amended and passed by the Congress, and "judge whether it is better or worse for the critics," as he expressed it in his letter of July 8, 1776, sending the copy in question to Richard Henry Lee, from whose grandson this Society received it. A history by Dr. Hays of this copy is printed in Vol. xxxvii of the Society's *Proceedings*.

The meeting was adjourned by the presiding officer.

Stated Meeting, November 1, 1901.

Vice-President BARKER in the Chair.

Present, 20 members.

Dr. Mazyëck Ravenel, a newly elected member, was presented to the Chair, and took his seat in the Society.

A letter was read from the Société Nationale des Sciences Naturelles et Mathématiques de Cherbourg, announcing that it would celebrate its fiftieth anniversary on December 30, 1901, and the Secretaries were instructed to send a congratulatory address to the Society.

The list of donations to the Library were laid on the table, and thanks were ordered for them.

Mr. James Douglas presented a "Record of Borings in the Sulphur Spring Valley, Arizona, and of Agricultural Experiments in the Same Locality."

Prof. George F. Barker, delegate to the 200th anniversary celebration of Yale University, presented a report with a medal struck in honor of the anniversary.

Prof. Albert H. Smyth, delegate to the 450th anniversary celebration of the University of Glasgow, presented a report.

The meeting was adjourned by the presiding officer.